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| CHANGE REQUEST |
| Meeting ID:\* |  SDS #51 |
| Source:\* | Peter Niblett, IBM  |
| Date:\* | 2021-09-08 |
| Reason for Change/s:\* | Add missing tables (issue #9) |
| CR against: Release\* | Release 2 |
| CR against: WI\* | [ ]  Active WI-xxxx[x]  MNT maintenance / < Work Item number(optional)>Is this a mirror CR? Yes [ ]  No [x] mirror CR number: (Note to Rapporteur - use latest agreed revision)[ ]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0004 v.2.29.0 |
| Clauses \* | Modified clauses: J.2, J.3 |
| Type of change: \* | [ ]  Editorial change[x]  Bug Fix or Correction[ ]  Change to existing feature or functionality[ ]  New feature or functionalityOnly ONE of the above shall be ticked |
| Impacted other TS/TR(s) |  |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES [x]  NO [ ] This CR may break backwards compatibility with the last approved version of the TS? YES [ ]  NO [x]  |
| Template Version: January 2017 (Do not modify) |

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GUIDELINES for Change Requests:

Provide an informative introduction containing the problem(s) being solved, and a summary list of proposals.

Each CR should contain changes related to only one particular issue/problem.

In case of a correction, and the change apply to previous releases, a separate “mirror CR” should be posted at the same time of this CR

Mirror CR: applies only when the text, including clause numbering are exactly the same.

Companion CR: applies when the change means the same but the baselines differ in some way (e.g. clause number).

Follow the principle of completeness, where all changes related to the issue or problem within a deliverable are simultaneously proposed to be made E.g. A change impacting 5 tables should not only include a proposal to change only 3 tables. Includes any changes to references, definitions, and acronyms in the same deliverable.

Follow the drafting rules.

All pictures must be editable.

Check spelling and grammar to the extent practicable.

Use Change bars for modifications.

The change should include the current and surrounding clauses to clearly show where a change is located and to provide technical context of the proposed change. Additions of complete clauses need not show surrounding clauses as long as the proposed clause number clearly shows where the new clause is proposed to be located.

Multiple changes in a single CR shall be clearly separated by horizontal lines with embedded text such as, start of change 1, end of change 1, start of new clause, end of new clause.

When subsequent changes are made to content of a CR, then the accepted version should not show changes over changes. The accepted version of the CR should only show changes relative to the baseline approved text.

Introduction

This CR is to resolve https://git.onem2m.org/issues/issues/-/issues/9

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of change 1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

# J.2 Resource type [genericInterworkingService]

This resource type is used for grouping Input and/or Output Datapoints and/or OperationInstances of a Service in the context of Ontology based Interworking. The detailed description of the [genericInterworkingService] resource can be found in clause 9.2 of oneM2M TS-0012 [36].

Table J.2‑1: Data type definition of [genericInterworkingService] resource

|  |  |  |
| --- | --- | --- |
| Data Type ID | File Name | Note |
| genericInterworkingService | CDT-genericInterworkingService-v2\_29\_0.xsd | XSD schema for genericInterworkingService resource |

Table J.2‑2: Resource Specific Attributes of [genericInterworkingService] resource

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Request Optionality  | Data Type | Default Value and Constraints |
| Create | Update |
| *containerDefinition* | M | NP | xs:anyURI | No default |
| *ontologyRef* | O | O | xs:anyURI | No default |
| *serviceName* | M | NP | xs:string | No default. |
| *inputDataPointLinks* | O | O | m2m:listOfDataLinks | No default |
| *outputDataPointLinks* | O | O | m2m:listOfDataLinks | No default |

Table J.2‑3: Child Resources of [genericInterworkingService] resource

|  |  |  |
| --- | --- | --- |
| Child Resource Type | Child Resource Name | Multiplicity |
| *<subscription>* | [variable] | 0..n |
| *<semanticDescriptor>* | [variable] | 0..n |
| *[genericInterworkingService]* | [variable] | 0..n |
| *[genericInterworkingOperationInstance]* | [variable] | 0..n |

# J.3 Resource type [genericInterworkingOperationInstance]

This resource type and is used for grouping (persistent) Input and/or Output Datapoints and/or (transient) OperationInput / Output of an Operation in the context of Ontology based Interworking. Resources of resource type genericInterworkingOperationInstance are created as child-resources of a genericInterworkingService. The detailed description of the [genericInterworkingService] resource can be found in clause 9.3 of oneM2M TS-0012 [36].

Table J.3‑1: Data type definition of [genericInterworkingOperationInstance] resource

|  |  |  |
| --- | --- | --- |
| Data Type ID | File Name | Note |
| genericInterworkingOperationInstance | CDT-genericInterworkingOperationInstance-v2\_29\_0.xsd | XSD schema for genericInterworkingOperationInstance resource |

Table J.3‑2: Resource Specific Attributes of [genericInterworkingOperationInstance] resource

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Request Optionality  | Data Type | Default Value and Constraints |
| Create | Update |
| *containerDefinition* | M | NP | xs:anyURI | No default |
| *ontologyRef* | O | O | xs:anyURI | No default |
| *operationName* | M | NP | xs:string | No default |
| *inputDataPointLinks* | O | O | m2m:listOfDataLinks | No default |
| *outputDataPointLinks* | O | O | m2m:listOfDataLinks | No default |
| *inputLinks* | O | O | m2m:listOfDataLinks | No default |
| *outputLinks* | O | O | m2m:listOfDataLinks | No default |
| *operationState* | M | O | xs:string | No default |

Table J.3‑3: Child Resources of [genericInterworkingOperationInstance] resource

|  |  |  |
| --- | --- | --- |
| Child Resource Type | Child Resource Name | Multiplicity |
| *<subscription>* | [variable] | 0..n |
| *<semanticDescriptor>* | [variable] | 0..n |

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of Change 1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*